

REMARKS

The rejections of Claims 11, 12, 16-24 and 26-30 as being anticipated by Nakakita et al under 35 U.S.C. §102(b), of Claims 11-15, 18-25 and 27-30 as being anticipated by Kataoka et al under 35 U.S.C. §102(e), and of Claims 11, 12, 16-24 and 26-30 as being anticipated by Quigley et al under 35 U.S.C. §102(e) are each respectfully traversed. Reconsideration is requested in view of the foregoing amendments and following comments.

The amendments to Claim 11 are based upon the features disclosed in paragraphs [0026] and [0028] of the Specification, two of which were found in now canceled Claims 19 and 20. The claimed geometry allows the directly injecting engine to operate with both a homogenous operator and a conventional combustion operation by ensuring that the injection jet impinges at the piston recess for optimal intermixing of fuel and air independently of the injection time point as described at paragraph [0009] of the Specification. The three cited references do not show or suggest the claimed geometry in amended Claim 11.

Nakakita et al's piston does not have a surface with an ascending gradient. The Kataoka et al piston does not have a substantially planar surface anywhere in the recess. The Quigley et al piston does not have the claimed surface adjoining the elevation in terms of an ascending gradient. Nothing in the teachings of the cited documents would have led to the present invention.

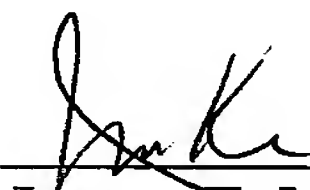
Accordingly, early and favorable action is earnestly solicited.

If there are any questions regarding this amendment or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

If necessary to effect a timely response, this paper should be considered as a petition for an Extension of Time sufficient to effect a timely response, and please charge any deficiency in fees or credit any overpayments to Deposit Account No. 05-1323 (Docket #095309.57635US).

Respectfully submitted,

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